



# NORTH METAL & CHEMICAL COMPANY

World Class Molybdenum & Tungsten Compounds

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Since 1921

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Polymers

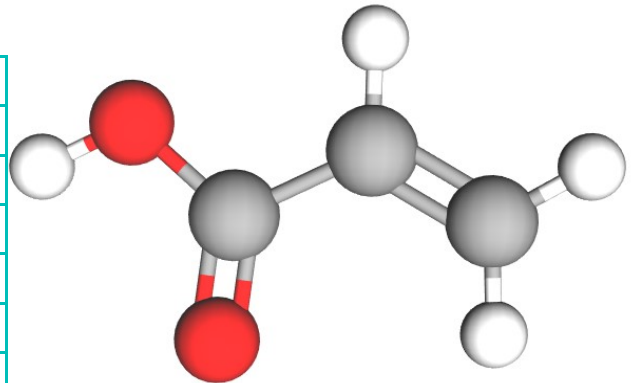
## Technical Data Sheet

### NorthQuest 2050

**NorthQuest 2050** is a low molecular weight, partially neutralized, acrylic acid/acrylamide co-polymer. It is highly effective as a dispersant and scale inhibitor in industrial-water treatment, boiler-water treatment, and detergents. NQ2050 inhibits deposition of calcium and magnesium (carbonates, sulphates), barium sulphate, and other low-solubility salts, which are responsible for scaling on surfaces. The low molecular weight polymer shows good activity over a wide range of pH, high water hardness, and high temperatures without precipitation. The product is non-foaming, providing good environmental acceptability. CAS# 9003-01-4

#### Technical Specifications: Copolymer of Acrylic Acid

Appearance	Clear, to pale yellow, liquid
Solids Content, %	45.0 - 47.0
pH (1% solution)	4.5 - 6.5
Specific Gravity @ 25°C	1.18 - 1.25
Acid Value (mg KOH/g)	100 - 200
Viscosity, cPs @ 25°C	1000 max
Molecular Weight	3000 - 5000



**Packaging:** Available in 529lb drums and 2646lb totes. Small packs available by request.

**Storage:** Store in a cool, dry area. Keep containers closed when not in use.

**Shelf Life:** At least five years if properly stored in unopened container.

**Safety:** Use caution while handling and avoid contact with eyes. Refer to MSDS for specific information.



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